

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	3877142
<b>Application Number:</b>	10781951
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	4445
<b>Title of Invention:</b>	Transmit diversity and spatial spreading for an OFDM-based multi-antenna communication system
<b>First Named Inventor/Applicant Name:</b>	J. Rodney Walton
<b>Customer Number:</b>	23696
<b>Filer:</b>	Ross L. Franks/Teresa Hayes
<b>Filer Authorized By:</b>	Ross L. Franks
<b>Attorney Docket Number:</b>	040235
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<b>Time Stamp:</b>	21:57:58
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (5B/08)	040235_2008-09-02_IDS_Signed.pdf	1415714 <small>2302b917051e4f5723002dea5534d6d4d923e9</small>	no	5

### Warnings:

### Information:

This is not an USPTO supplied IDS fillable form

2	Foreign Reference	WO01076110.pdf	3337977 1B555a1c7db7704b81B0b7e17be5ba5e95f1	no	66
<b>Warnings:</b>					
<b>Information:</b>					
3	Foreign Reference	WO03015334.pdf	1458046 692008b9c5c765821805c5a79057f0c6ca3d8f9	no	38
<b>Warnings:</b>					
<b>Information:</b>					
4	NPL Documents	ISR_PCT_US05_005261_ISA_EP O.pdf	95545 d54117d2cc528dab77f5e7ae339b07693f1b6b	no	3
<b>Warnings:</b>					
<b>Information:</b>					
5	NPL Documents	A_Simple_Transmit_Diversity_ Technique_For_Wireless_Communications.pdf	4882455 080f78531cd004da015ab473bb17bd3deb7734ea	no	8
<b>Warnings:</b>					
<b>Information:</b>					
6	NPL Documents	Smart_Antennas_for_Mobile_Communications_Systems.pdf	920839 af0dc9db00b4b8bdc6f95da1b191dc0f393a0b	no	11
<b>Warnings:</b>					
<b>Information:</b>					
7	NPL Documents	Non_reciprocal_transceivers_in_OFDM_SDMA_Systems_Impact_and_Mitigation.pdf	210056 6bc796a679d2973f5dab0914128170cab9ca27e	no	4
<b>Warnings:</b>					
<b>Information:</b>					
8	NPL Documents	Investigation_of_Front_end_Requirements_for_MIMO_Systems_Using_Downlink_Pre_Distortion.pdf	272816 136693745757a689328d42d2a0b36c974f6811	no	5
<b>Warnings:</b>					
<b>Information:</b>					
9	NPL Documents	A_Mimo_System_with_Reciprocal_Transceivers_for_the_Time-division_Duplex_Mode.pdf	185703 307f8bc329113caaf9178d41809a518885116a5853	no	4
<b>Warnings:</b>					
<b>Information:</b>					
10	NPL Documents	Part_11_Wireless_LAN_Medium_Access_Control_MAC.pdf	3437680 db785f8bf0bae19dc5a8076165f473575e5321	no	90

<b>Warnings:</b>					
<b>Information:</b>					
11	NPL Documents	OFDM-MIMO_WLAN_AP_Front_end_Gain_and_Phase_Mismatch_Calibration.pdf	736389 dP5ca1801E34d3b0a0d6cc095e0d3e01578402	no	4
<b>Warnings:</b>					
<b>Information:</b>					
Total Files Size (in bytes):			16953220		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>          If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>          If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>          If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					